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(54) **SYSTEM, METHOD AND APPARATUS FOR ILLUMINATING A BEZEL**

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USPC **348/803**

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USPC 348/798, 799, 801, 802, 803, E9.033, 348/211.99, 211.1, 211.3, 211.4; 345/156, 345/158, 204, 690

See application file for complete search history.

(73) Assignee: **Vizio, Inc.**, Irvine, CA (US)

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U.S. PATENT DOCUMENTS

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(63) Continuation of application No. 12/509,897, filed on Jul. 27, 2009, now Pat. No. 8,462,276.

Primary Examiner — Minh D A

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<i>H04N 9/67</i>	(2006.01)
<i>H04N 5/64</i>	(2006.01)
<i>F21V 23/04</i>	(2006.01)
<i>H04N 5/58</i>	(2006.01)
<i>G02F 1/1333</i>	(2006.01)
<i>F21Y 101/02</i>	(2006.01)

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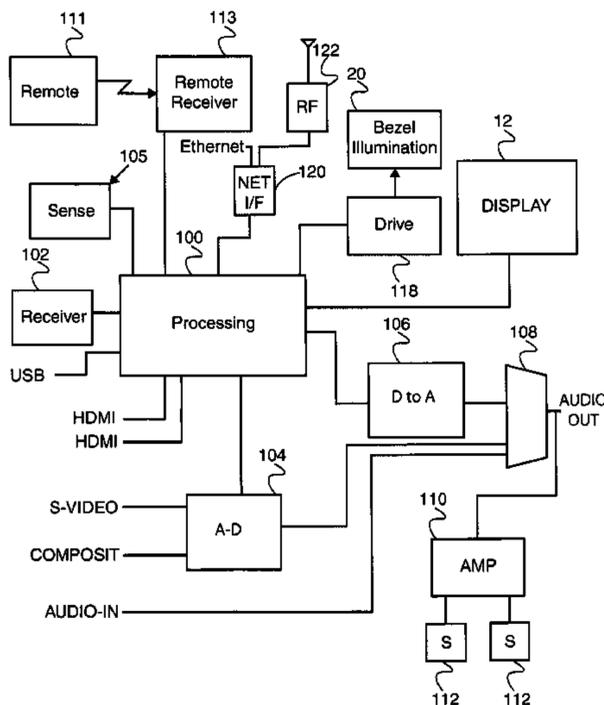
(52) **U.S. Cl.**

CPC . *H04N 9/30* (2013.01); *H04N 9/67* (2013.01); *H04N 5/64* (2013.01); *H04N 5/58* (2013.01);

(57) **ABSTRACT**

An application for a bezel with internal lighting includes at least one illuminated element situated behind a monitor/television bezel. The brightness and color of the illuminating elements and hence the bezel appearance are modified based upon either user preference or an internal or external parameters such as time, content being viewed, recording status, etc.

22 Claims, 10 Drawing Sheets



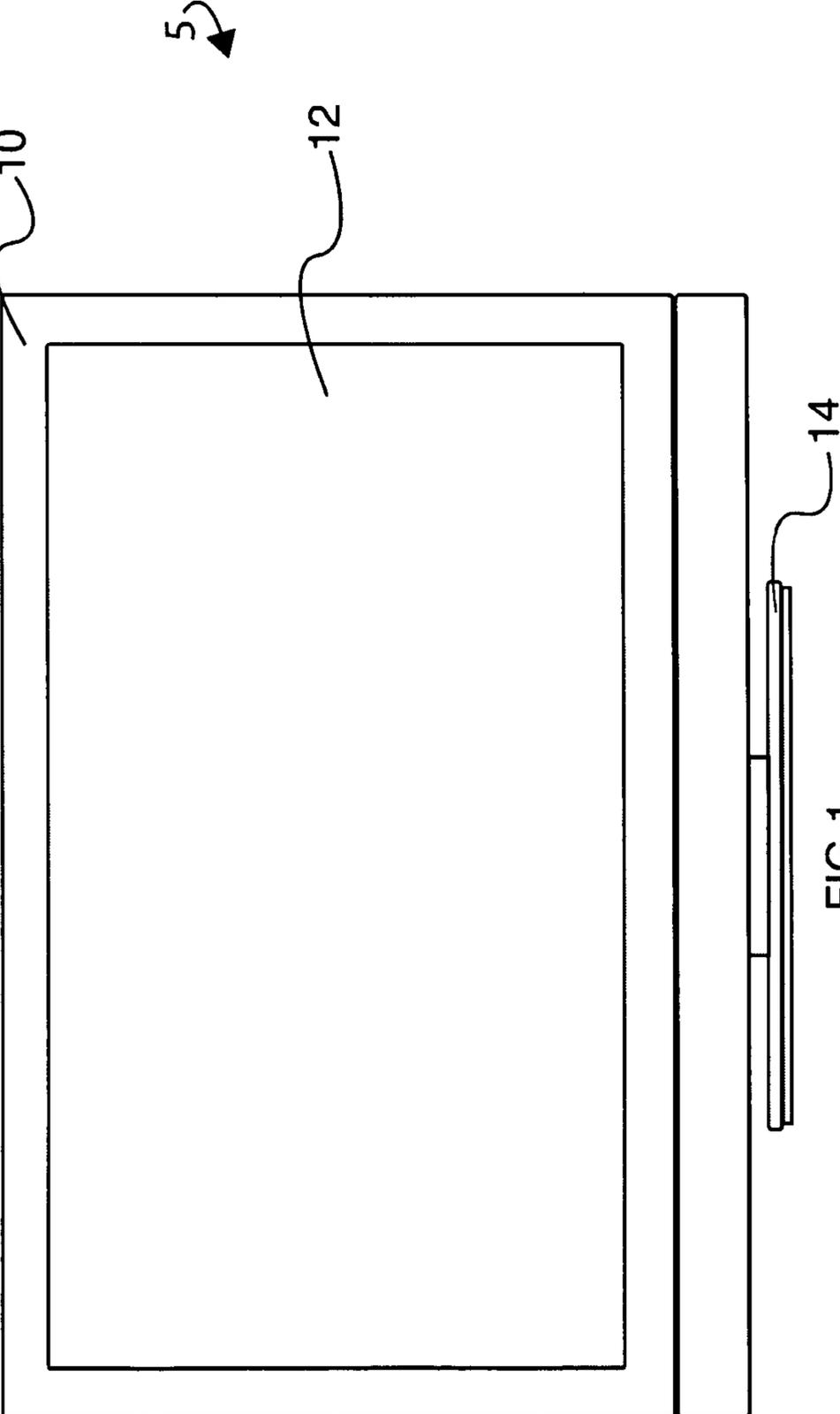
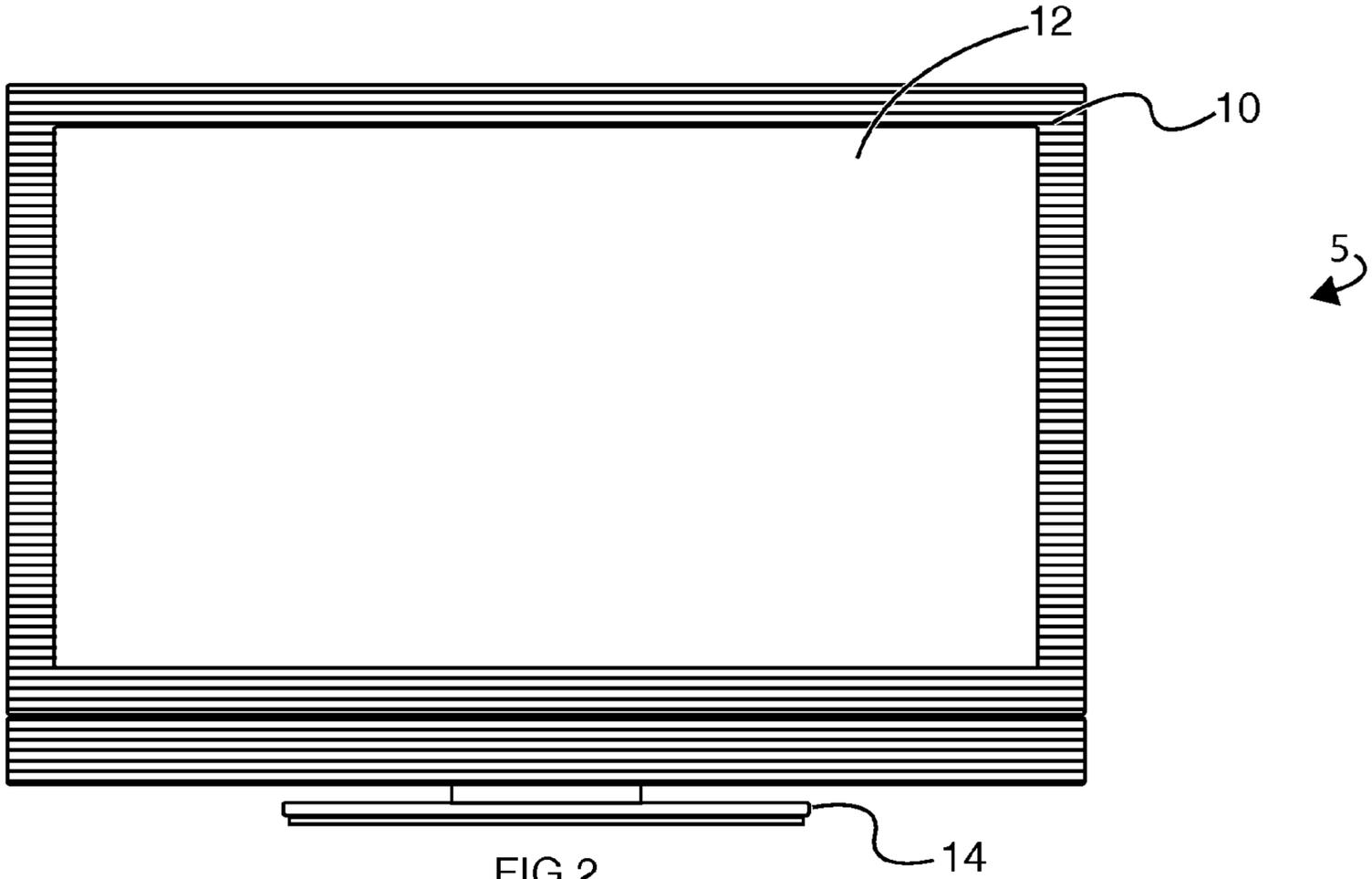


FIG. 1



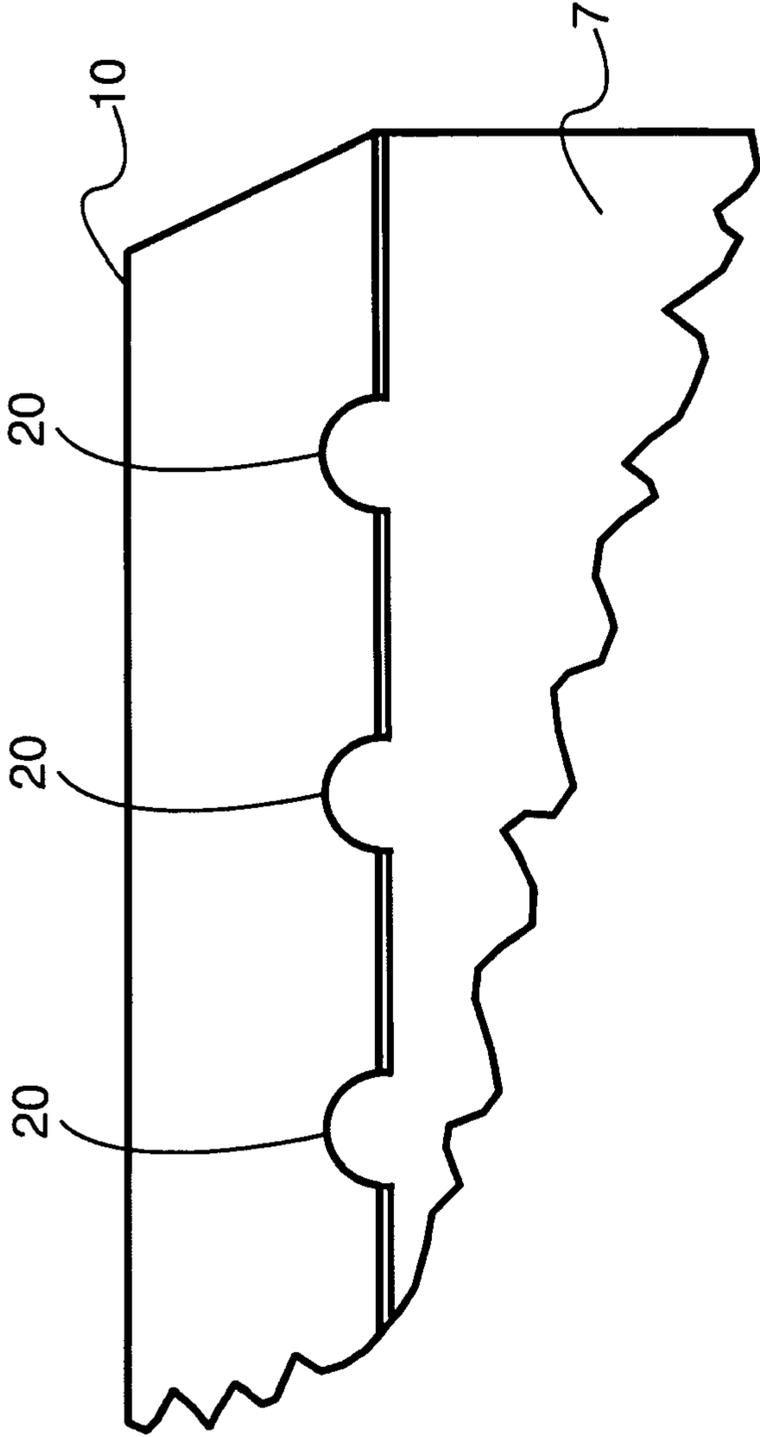


FIG.3

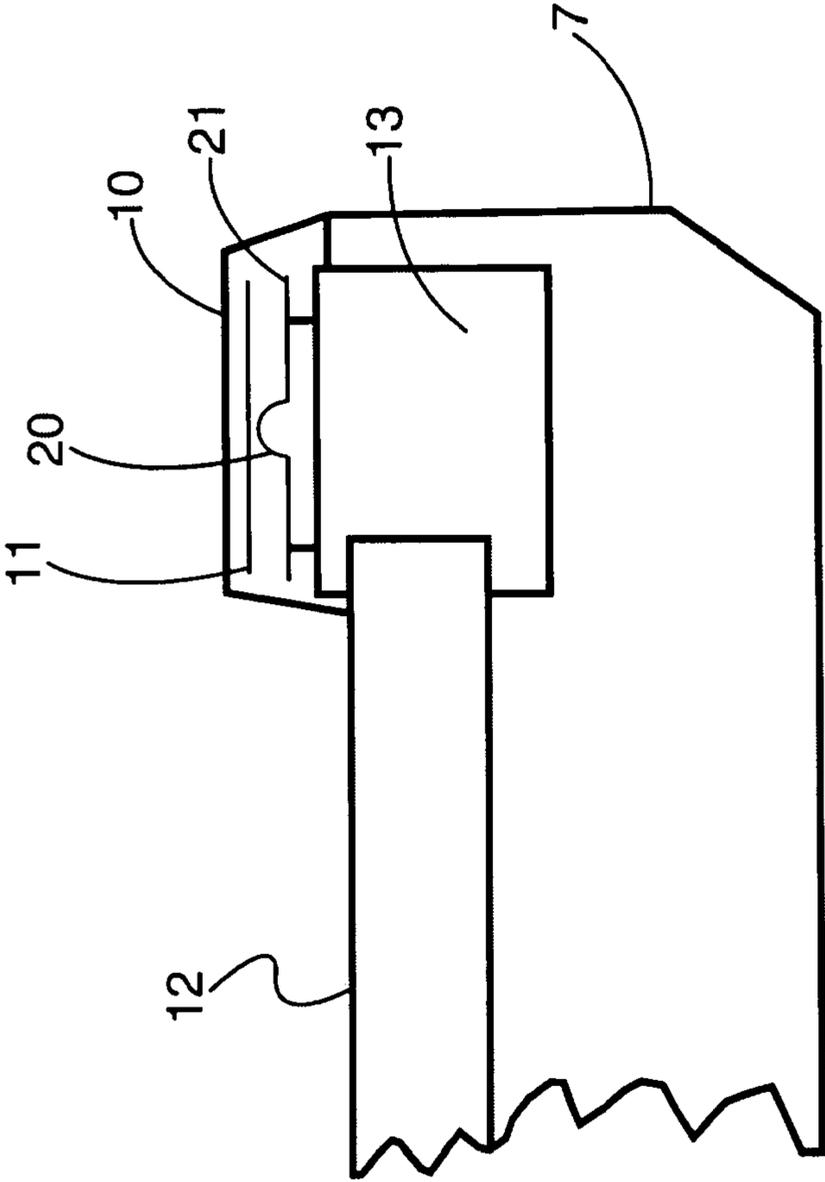


FIG.4

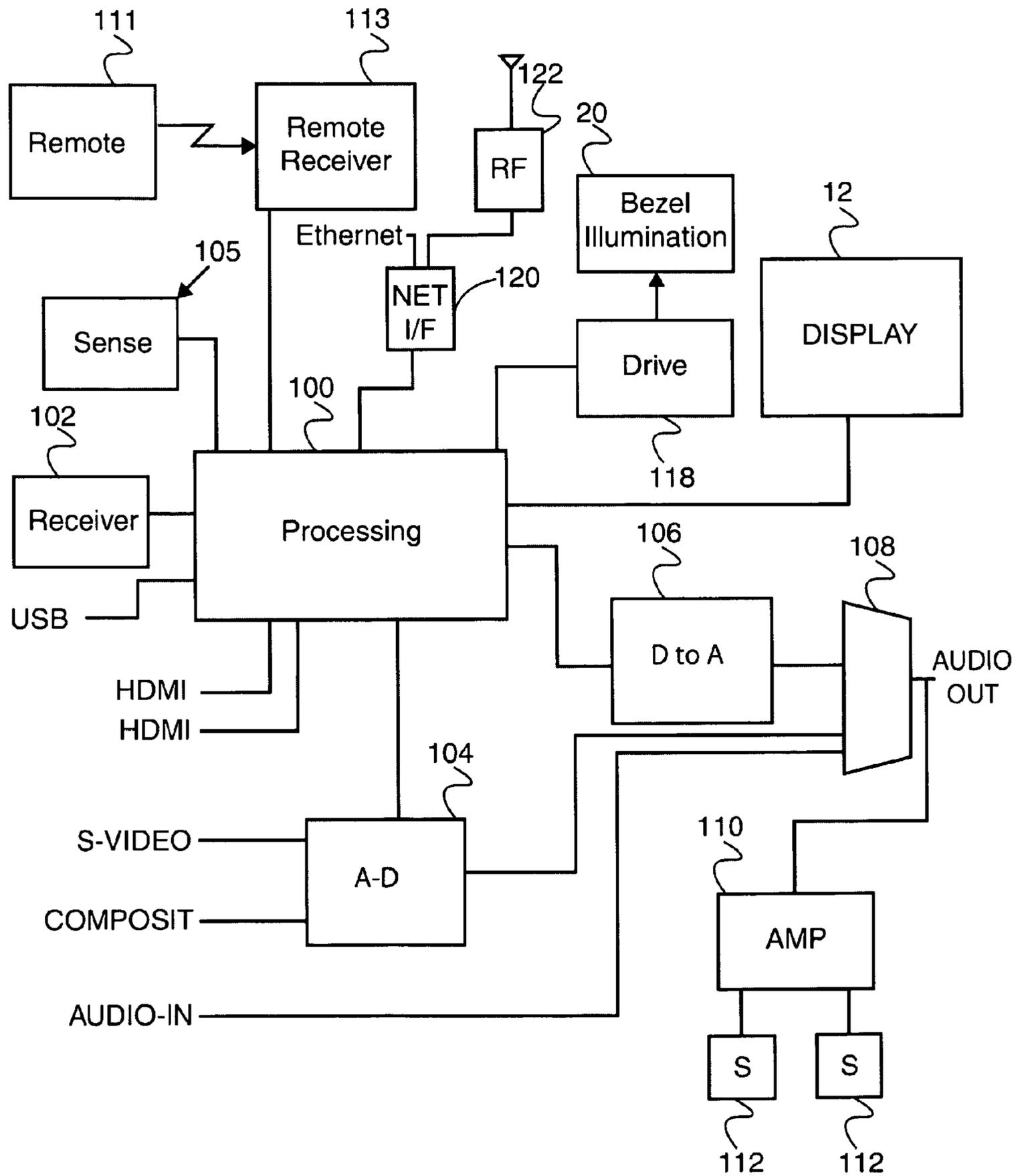


FIG.5

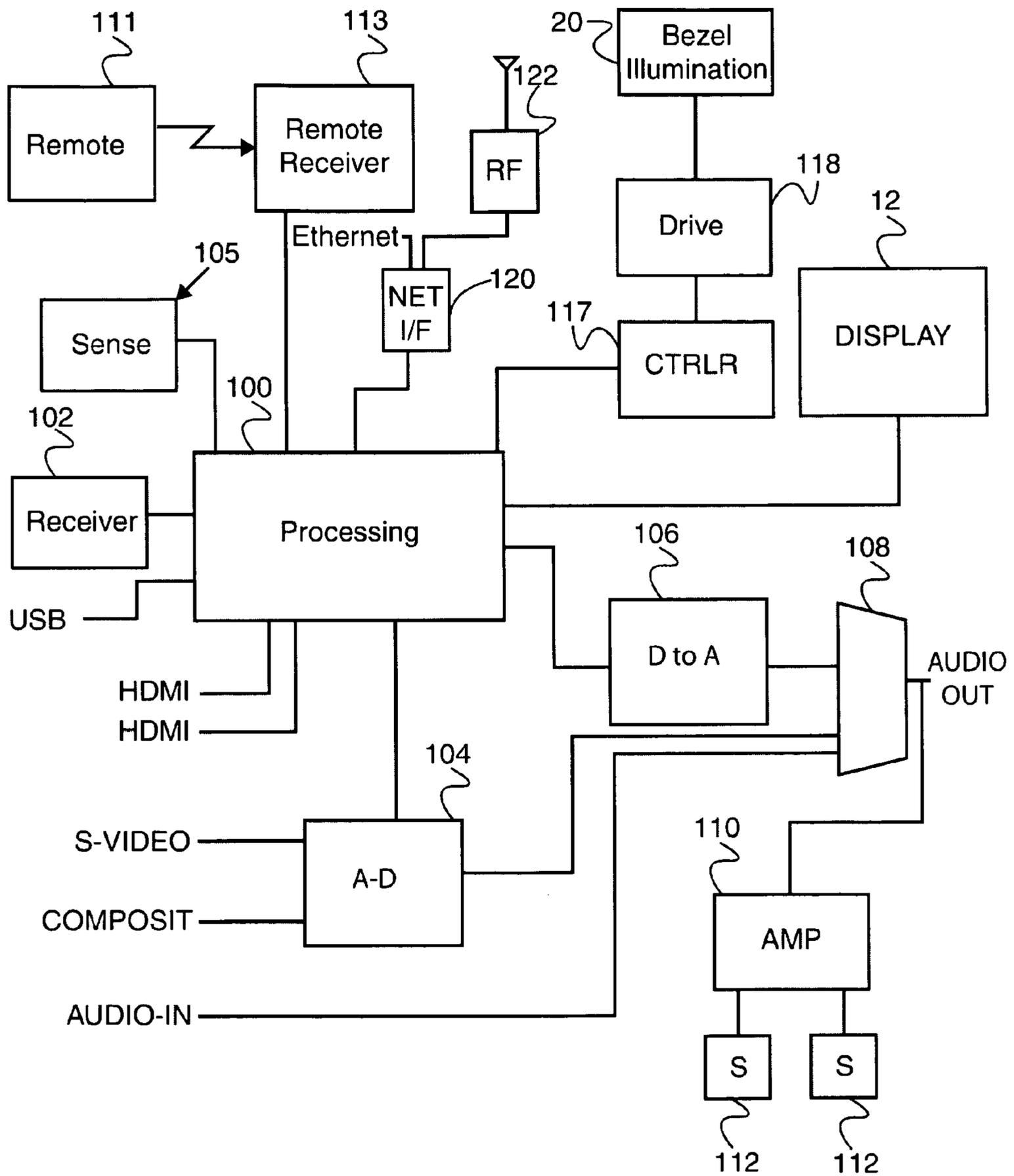


FIG.5A

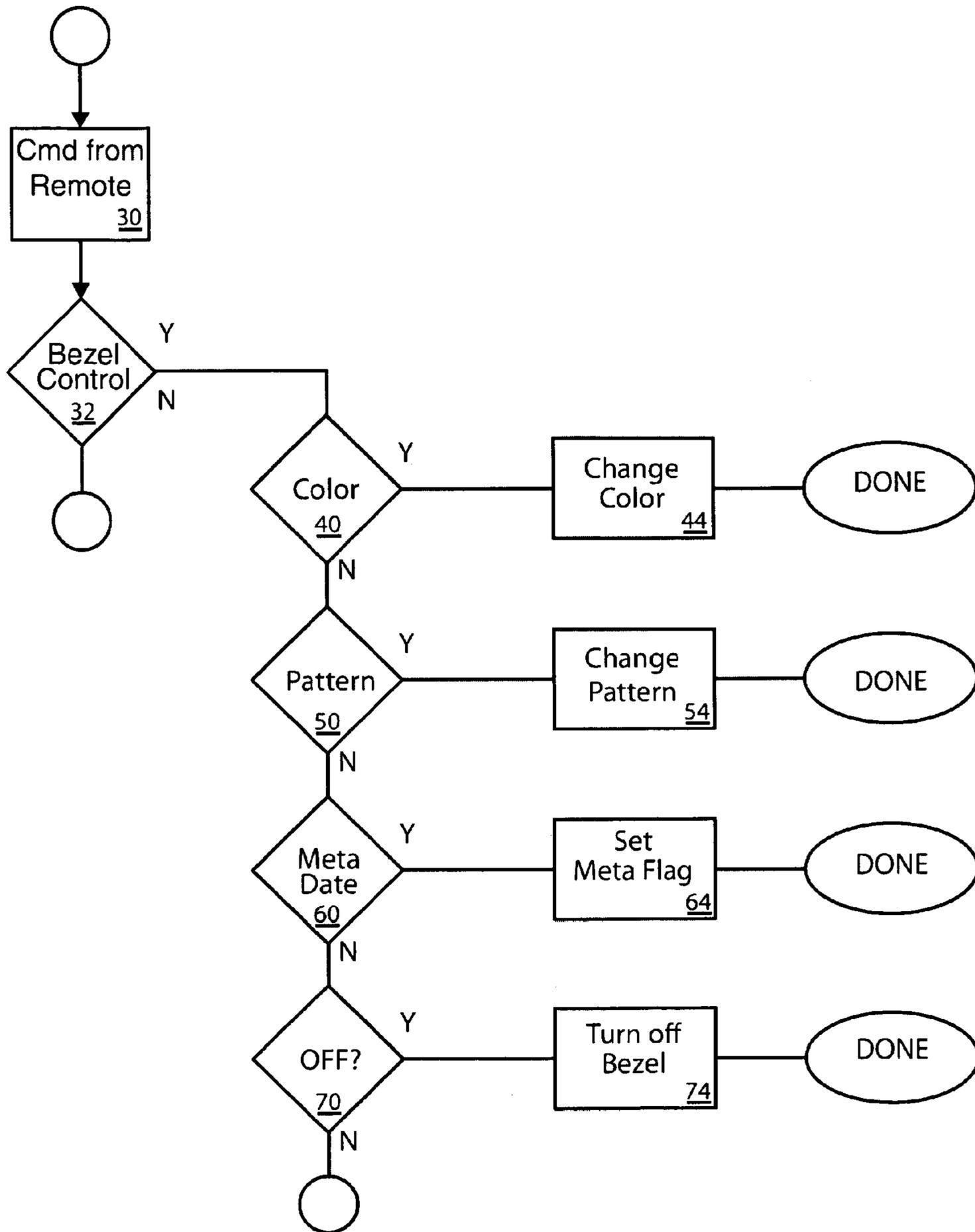


FIG.6

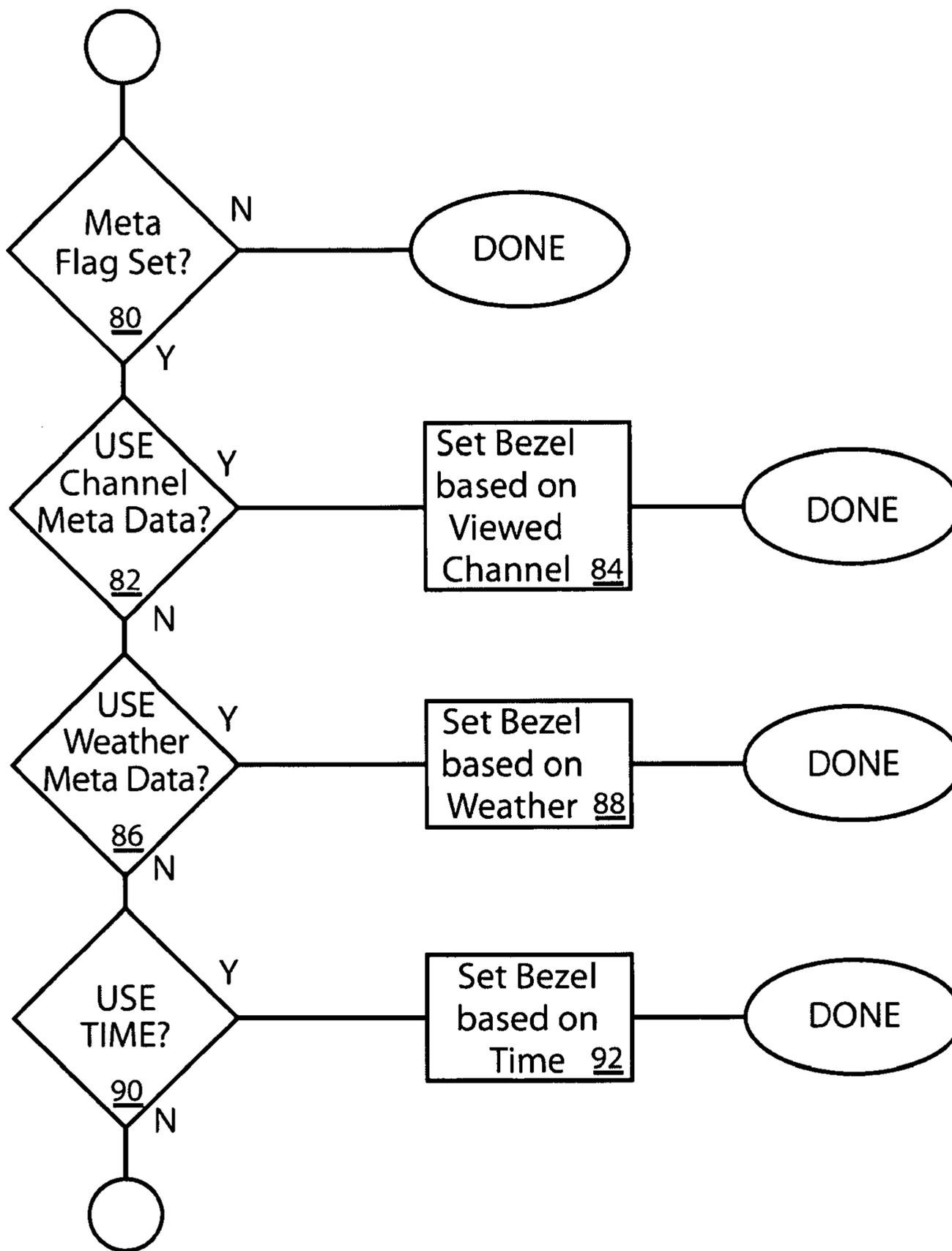


FIG.7

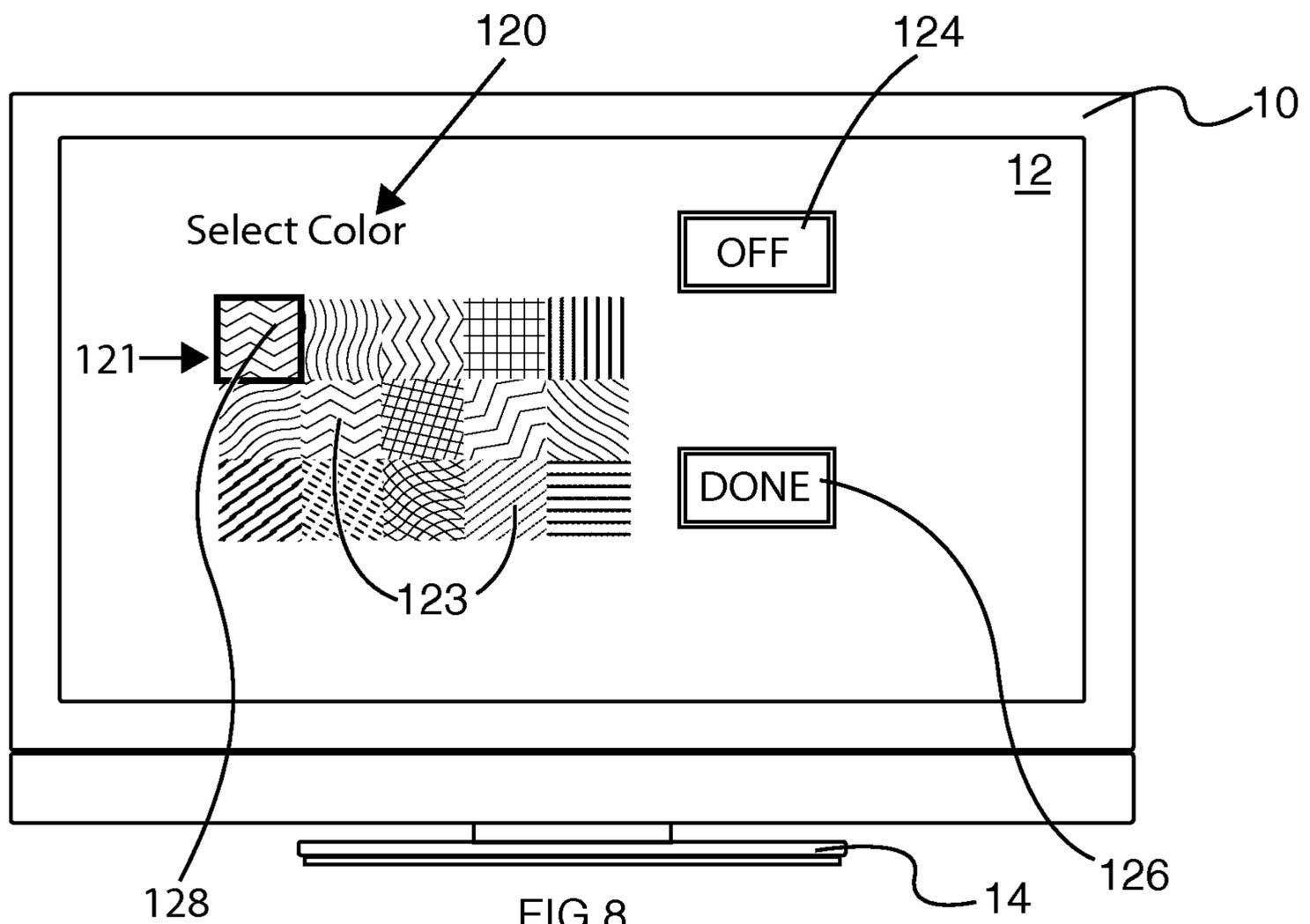
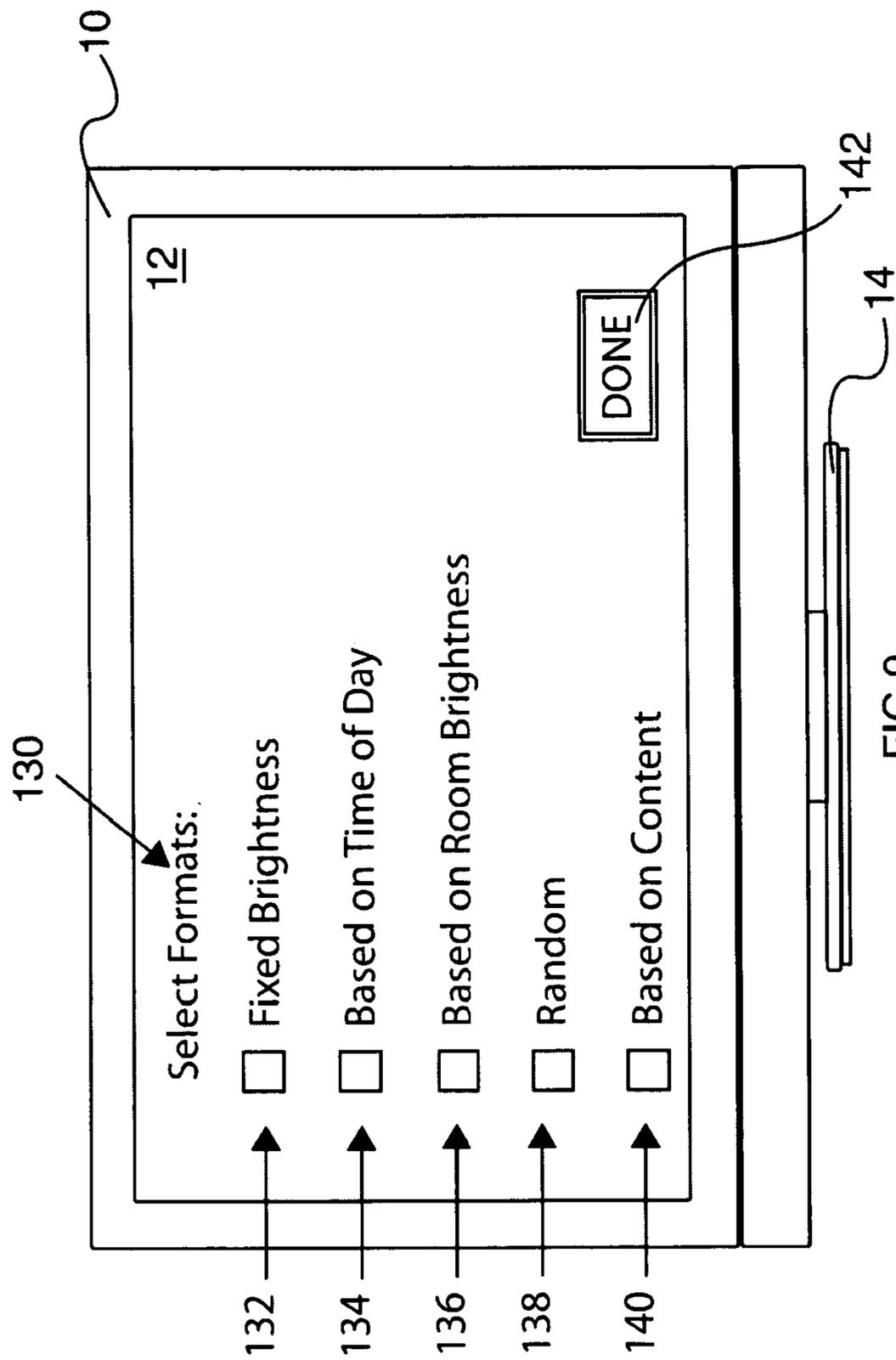


FIG. 8



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SYSTEM, METHOD AND APPARATUS FOR ILLUMINATING A BEZEL

CROSS-REFERENCE TO RELATED APPLICATION

This application is related to U.S. application titled, "SYSTEM, METHOD AND APPARATUS FOR IMBEDDING A DISPLAY IN A BEZEL," which was filed on even date herewith; Ser. No. 12/099,920, filed Jun. 19, 2009, and inventor Kenneth Lowe.

FIELD OF THE INVENTION

This invention relates to the field of display devices and more particularly to a system for illuminating the bezel of a display device.

BACKGROUND OF THE INVENTION

Monitor/television devices such as LCD or Plasma televisions have a bezel surrounding the actual display device (LCD panel, Plasma panel, CRT, etc). There have been many colors and varieties of bezels. Most bezels on current monitor/television products are black, while bezels on notebook computers and monitors are often colored to match the color of the shell of the notebook computer or monitor, sometimes white, black, dark blue, etc.

There are many reasons for different bezel appearances. Some bezels reflect a trade dress of the manufacturer of the monitor/television, often having an embossed logo. Some bezels include a lighted word, usually the manufacturer's name such as, "Vizio." Some bezels are colored to coordinate, or at least, not clash with their environment. For this reason, many current television manufacturers select a black color for their bezels, since black goes with many different environments.

Another reason for different colored bezels is to reduce distraction away from the viewed picture, movie, text, etc. In some cases, a strongly contrasting bezel may lead to eye strain. This contrast issue is difficult to address with a fixed-color bezel, since it is difficult to predict what will be displayed in the display area of the monitor/television. For example, a light-colored bezel would blend well with text displayed on a white page but would not blend well with a movie, especially during scenes that are dark. Likewise, a dark or black colored bezel would blend well with the movie but would be distracting when viewing, for example, text on a white page.

One solution is to provide a monitor or television with interchangeable bezels so that the end user is able to select a bezel from a limited set of colors such as black, white and silver. This helps blend the bezel with the environment, for example when the monitor/television is used in a modern-styled home with predominately white colors, the standard black bezel can be exchanged or covered with a white bezel. This solution does not provide for varying the bezel color/appearance with respect to variations of the displayed subject matter, does not provide indications of internal metadata or status and does not solve the problem of a varying environment such as daytime vs. nighttime viewing. Furthermore, this solution is limited to a small set of bezel colors.

What is needed is a bezel that changes color based upon user control and/or internal or external data to match the environment and/or displayed content and/or information.

SUMMARY

The present invention includes a bezel with internal lighting such that, the brightness and color of the bezel are modi-

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fied based upon either user preference, external parameters (e.g., Internet data, data from other devices in the home, etc.) or internal parameters (e.g., time, content being viewed, etc.).

In one embodiment, a bezel lighting system is disclosed. The bezel lighting system is mounted on a monitor/television and includes a bezel mounted on a periphery of a face of the monitor/television. The bezel surrounds a display panel and is made of a material capable of transmitting light from within the bezel to outside of the bezel. There is at least one illuminating element situated behind the bezel such that when any of the illuminating elements are energized to emit light, at least some of the light passes through the bezel.

In another embodiment, a method of controlling a bezel lighting system is disclosed including providing the bezel lighting system mounted on a monitor/television. The bezel lighting system includes a bezel mounted on a periphery of a face of the monitor/television surrounding a display panel and made of a material capable of transmitting light from within the bezel to outside of the bezel. At least one illuminating element is situated behind the bezel such that when any of the at least one illuminating elements is energized to emit light, at least some of the light passes through the bezel. A processing element is interfaced to each of the at least one illuminating element. The processing element displays an on-screen display responsive to an input device (e.g., a remote control 111). A bezel lighting option is selected from the on-screen display by a user and responsive to the bezel lighting option, the processing element controls the brightness of each illuminating element the processing element takes off the on-screen display.

In another embodiment, an illuminated bezel is disclosed. The illuminated bezel is mounted on a periphery of a face of a monitor/television and the illuminated bezel is made of a material capable of transmitting light from within the illuminated bezel to outside of the bezel. There is at least one illuminating element situated behind the illuminated bezel. Each of the illuminating elements are situated such that when any of the illuminating elements are energized to emit light, at least some of the light passes through the illuminated bezel.

BRIEF DESCRIPTION OF THE DRAWINGS

The invention can be best understood by those having ordinary skill in the art by reference to the following detailed description when considered in conjunction with the accompanying drawings in which:

FIG. 1 illustrates a plan view of a monitor/television with bezel of the present invention.

FIG. 2 illustrates a second plan view of a monitor/television with bezel of the present invention.

FIG. 3 illustrates a cross-sectional view lengthwise of a typical bezel of the present invention.

FIG. 4 illustrates a cross-sectional view side-wise of a typical bezel of the present invention.

FIG. 5 illustrates a first schematic view of a typical monitor/television of the present invention.

FIG. 5A illustrates a second schematic view of a typical monitor/television of the present invention.

FIG. 6 illustrates a first flow chart of the present invention.

FIG. 7 illustrates a second flow chart of the present invention.

FIG. 8 illustrates a plan view of a first typical on-screen display of the present invention.

FIG. 9 illustrates a plan view of a second typical on-screen display of the present invention.

DETAILED DESCRIPTION

Reference will now be made in detail to the presently preferred embodiments of the invention, examples of which

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are illustrated in the accompanying drawings. Throughout the following detailed description, the same reference numerals refer to the same elements in all figures. The bezel of the present invention is the facing surface surrounding an image producing surface such as an LCD panel, CRT, Plasma panel, OLED panel and the like.

Referring to FIG. 1, a plan view of a monitor/television 5 with bezel 10 of the present invention will be described. The present invention is applicable to any display device that has a bezel such as a monitor/television 5. Typically, the bezel 10 is situated around the peripheral edge of the display panel 12, covering the frame and electronics 13 (see FIG. 4) of the display panel 12. For completeness, though not required in the present invention, the monitor/television is shown on a stand 14. In this view, the bezel 10 is of a first color.

Referring to FIG. 2, a second plan view of a monitor/television 5 with bezel 10 of the present invention will be described. The present invention is applicable to any display device that has a bezel such as a monitor/television 5. Typically, the bezel 10 is situated around the peripheral edge of the display panel 12, covering the frame and electronics 13 (see FIG. 4) of the display panel 12. Again, for completeness, though not required in the present invention, the monitor/television is shown on a stand 14. In this view, the bezel 10 is of a second color.

Referring to FIG. 3, a cross-sectional view lengthwise of a typical bezel 10 of the present invention will be described. In this view, the top edge of the bezel 10 is visible as well as a surface 7 of the back housing of the monitor/display. Beneath or within the bezel 10 are one or more illuminating elements 20. Such illuminating elements 20 are known in the art and include devices such as light emitting diodes (LEDs), incandescent lamps, fluorescent lamps, OLEDs, etc. It is also known in the art how to arrange and filter such illuminating elements 20 such that by varying the intensity of individual illuminating elements 20, multiple blended colors are achieved. For example, the illuminating elements 20 are red, green and blue LEDs or incandescent lamps with red, green or blue coatings. Such illuminating elements 20 are arranged in alteration such that when illuminated, their light mixes to create a mixed color output. Therefore, by illuminating one single illuminating element 20 (e.g., the red LED), the bezel color becomes that of the illuminated LED (e.g., red). By illuminating two illuminating elements 20 (e.g., the red LED and the blue LED), the bezel color becomes that of the illuminated LEDs combined (e.g., red and blue mixed become purple). Preferably, the surface of the bezel 10 is made of a translucent material or is made of a clear material and a diffuser layer covers the illuminating elements 20 to soften the light produced and better mix the colors. The LEDs, in some embodiments are single color LEDs and in other embodiments multiple color LEDs (e.g., red and green emitters in the same LED package).

Referring to FIG. 4, a cross-sectional view side-wise of a typical bezel of the present invention will be described. In this view, the top edge of the bezel 10 is visible as well as a surface 7 of the back housing of the monitor/display. In current practice, the bezel covers the display panel frame 13 and as little of the active display area of the display panel 12 as possible.

Beneath or within the bezel 10 are one or more illuminating elements 20. Such illuminating elements are known in the art and include devices such as light emitting diodes (LEDs), incandescent lamps, fluorescent lamps, OLEDs, etc. In this view, a diffuser 11 is present in between the illuminating elements 20 and the outer surface of the bezel 10. The diffuser softens and mixes the light from the individual illuminating

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LEDs. In some embodiments, the illuminating elements 20 are mounted on a circuit board 21.

Referring to FIG. 5, a first schematic view of a typical monitor/television of the present invention will be described. This figure is intended as a representative schematic of a typical monitor/television 5 and in practice, some elements are not present in some monitors/televisions 5 and/or additional elements are present in some monitors/televisions 5. In this example, a display panel 12 is connected to a processing element 100. The display panel 12 is representative of any known display panel including, but not limited to, LCD display panels, Plasma display panels, OLED display panels, LED display panels and cathode ray tubes (CRTs).

The processing element 100 accepts video inputs and audio inputs selectively from a variety of sources including an internal television broadcast receiver 102, High-definition Media Inputs (HDMI), USB ports and an analog-to-digital converter 104. The analog-to-digital converter 104 accepts analog inputs from legacy video sources such as S-Video and Composite video and converts the analog video signal into a digital video signal before passing it to the processing element. The processing element controls the display of the video on the display panel 12.

Audio emanates from either the broadcast receiver 102, the legacy source (e.g., S-Video) or a discrete analog audio input (Audio-IN). If the audio source is digital, the processing element 100 routes the audio to a digital-to-analog converter 106 and then to an input of a multiplexer 108. The multiplexer 108, under control of the processing element 100, selects one of the audio sources and routes the selected audio to the audio output and an internal audio amplifier 110. The internal audio amplifier 110 amplifies the audio and delivers it to internal speakers 112/114.

The processing element 100 accepts commands from a remote control 111 through remote receiver 113. Although IR is often used to communicate commands from the remote control 111 to the remote receiver 113, any known wireless technology is anticipated for connecting the remote control 111 to the processing element 100 including, but not limited to, radio frequencies (e.g., Bluetooth), sound (e.g., ultrasonic) and other spectrums of light. Furthermore, it is anticipated that the wireless technology be either one way from the remote 111 to the receiver 113 or two way.

In some embodiments, a light sensor 105 is interfaced to the processing element 100, for example, a photodiode. The light sensor 105 conveys a value representing the ambient light level in the vicinity of the front of the monitor/television 5. This value is used, for example, to vary the brightness of the display 12 and/or the graphic display(s) 20 responsive to the ambient light present in front of the monitor/television 5.

The processing element 100 further controls the bezel illumination 20 through a bezel driver 118. In this, serial or parallel outputs from the processing element 100 interface with a bezel illumination driver 118 which is connected to and controls the bezel illumination 20. It is well known in the industry how to control light emission on devices such as described for the bezel illumination 20 and this is but an example of such. In some embodiments, the functionality of the bezel driver 118 is integrated into the processing element 100. In some embodiments, the drivers 118 are integrated into the bezel illumination 20. Any other known configuration is anticipated and functions within the present invention. It is well known how to control Liquid Crystal Displays (LCD), plasma displays, OLED displays, electronic paper, Light Emitting Diode (LED) arrays, etc. For example, if the bezel illumination 20 comprises an array of LEDs, the bezel driver 118, in one embodiment, the bezel driver 118 uses pulse-

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width modulation to control the brightness or each group of LEDS (e.g., the wider the pulse width, the brighter that group of LEDS will shine). Alternately, in another embodiment, the bezel driver **118** controls the current flowing through the group of LEDS to control the brightness or each that group.

In some embodiments, the television/monitor **5** is connected to a network, such as the Internet or local area network. In these embodiments, a network interface **120** monitors the network and transfers data back and fourth between the processing element **100** and the network. In some embodiments, the network is a wired network such as an Ethernet network. In other embodiments, the network is wireless such as WiFi/802.11 and a wireless interface **122** is provided.

Referring to FIG. **5A**, a second schematic view of a typical monitor/television of the present invention will be described. This figure is intended as another representative schematic of a typical monitor/television **5** and in practice, some elements are not present in some monitors/televisions **5** and/or additional elements are present in some monitors/televisions **5**. In this example, a display panel **12** is connected to a processing element **100**. The display panel **12** is representative of any known display panel including, but not limited to, LCD display panels, Plasma display panels, OLED display panels, LED display panels and cathode ray tubes (CRTs).

The processing element **100** accepts video inputs and audio inputs selectively from a variety of sources including an internal television broadcast receiver **102**, High-definition Media Inputs (HDMI), USB ports and an analog-to-digital converter **104**. The analog-to-digital converter **104** accepts analog inputs from legacy video sources such as S-Video and Composite video and converts the analog video signal into a digital video signal before passing it to the processing element. The processing element controls the display of the video on the display panel **12**.

Audio emanates from either the broadcast receiver **102**, the legacy source (e.g., S-Video) or a discrete analog audio input (Audio-IN). If the audio source is digital, the processing element **100** routes the audio to a digital-to-analog converter **106** and then to an input of a multiplexer **108**. The multiplexer **108**, under control of the processing element **100**, selects one of the audio sources and routes the selected audio to the audio output and an internal audio amplifier **110**. The internal audio amplifier **110** amplifies the audio and delivers it to internal speakers **112/114**.

The processing element **100** accepts commands from a remote control **111** through remote receiver **113**. Although IR is often used to communicate commands from the remote control **111** to the remote receiver **113**, any known wireless technology is anticipated for connecting the remote control **111** to the processing element **100** including, but not limited to, radio frequencies (e.g., Bluetooth), sound (e.g., ultrasonic) and other spectrums of light. Furthermore, it is anticipated that the wireless technology be either one way from the remote **111** to the receiver **113** or two way.

In some embodiments, a light sensor **105** is interfaced to the processing element **100**. The light sensor **105** conveys a value representing the ambient light level in the vicinity of the front of the monitor/television **5**.

In this example, the processing element **100** further controls the bezel illumination **20** through a controller **117**. The controller **117** interfaces either directly to the bezel illumination **20** or through a bezel driver **118** to the bezel illumination **20**. In this, serial (e.g., I2C) or parallel outputs from the processing element **100** interface with the controller **117** which is connected to and controls the bezel illumination **20** either through dedicated drivers **118** or directly (not shown). It is well known in the industry how to control the elements of

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the bezel illumination **20** and this is but an example of such. In some embodiments, the controller **117**, bezel drivers **118** and bezel illumination **20** are powered by auxiliary power (power supplied when the television/monitor **5** is in standby mode). In these embodiments, the controller **117** continues to drive the bezel illumination **20**, even when the television/monitor **5** is in auxiliary mode (e.g., appears to be off). In some embodiments, the controller **117** and/or drivers **118** are integrated into the bezel illumination **20**. Any other known configuration is anticipated and functions within the present invention. It is well known how to control Liquid Crystal Displays (LCD), plasma displays, OLED displays, electronic paper, Light Emitting Diode (LED) arrays, etc. For example, if the bezel illumination **20** comprises an array of LEDS, the bezel driver **118**, in one embodiment, the bezel driver **118** uses pulse-width modulation to control the brightness or each group of LEDS (e.g., the wider the pulse width, the brighter that group of LEDS will shine). Alternately, in another embodiment, the bezel driver **118** controls the current flowing through the group of LEDS to control the brightness or each that group.

In some embodiments, the television/monitor **5** is connected to a network, such as the Internet or local area network. In these embodiments, a network interface **120** monitors the network and transfers data back and fourth between the processing element **100** and the network. In some embodiments, the network is a wired network such as an Ethernet network. In other embodiments, the network is wireless such as WiFi/802.11 and a wireless interface **122** is provided.

Referring to FIG. **6**, a first flow chart of the present invention will be described. This is an exemplary program flow executed within the processing element **100** upon reception of a command **30** from the remote control **111**. The command **30** is tested to see if it is a bezel control **32**. If not, the existing processing continues as known in the art. If it is, the command **30** is tested to determine if it is a request to change the color **40** of the bezel **10**. If it is, in this example, an on screen display is presented to change the color **44**. Other methods are also anticipated to effect the color change such as sequencing through a series of colors, etc.

If it isn't a request to change the color **40** of the bezel **10**, then the command **30** is tested to determine if it is a request to change the color pattern of the bezel **50**. If it is, in this example, an on screen display is presented to change the color pattern **54**. Other methods are also anticipated to effect the color change such as sequencing through a series of color patterns, etc.

If it isn't a request to change the color pattern of the bezel **50**, then the command is tested to determine if it is a request to turn on meta-data **60**. If it is, in this example, a meta-data flag is set **64**. The use of this flag is described with FIG. **7**.

If it isn't a request to use meta-data **60**, then the command **30** is tested to determine if it is a request to turn off the bezel **70**. If it is, in this example, the bezel is turned off **74**. If it isn't a request to turn off the bezel **70**, processing continues.

This is but one example of a program running in the processing element **100** that controls the color and or brightness of the bezel illumination **20**. Other methods, either more or less complicated are anticipated for monitoring various internal and external parameters and settings.

Referring to FIG. **7**, a second chart of the present invention will be described. This is an exemplary program flow executed within the processing element **100** periodically (e.g., at fixed intervals or at a particular instance such as during re-trace, etc.). First, the meta-data flag is tested to see if it is enabled **80**. If not enabled, the flow is done. If it is enabled **80**, the meta-flag is tested to determine which type of

meta-data is to be used in controlling the bezel color **80**. For example, if the meta-data is set to use the current channel **82**, then the color of the bezel **10** is set based on the current channel being used **84**. For example, if the Discovery Channel is being watched, then the bezel **10** color is set to a first color (e.g., green) and if the Weather Channel is being watched, the bezel **10** color is set to a second color (e.g., blue). In this way, the viewer has information regarding which channel is being watched by the color of the bezel **10**, even when a commercial is playing.

If the meta-data is not set to use the current channel **82**, the meta-flag is then tested to determine if the current outside weather is to be used in controlling the bezel color **86**. For example, if the meta-data is set to use the weather **86**, then the color of the bezel is set based on the current weather **88**. For example, if internal data to the processing element **100** indicates that it is sunny, the bezel color is set to a first color (e.g., yellow). If internal data to the processing element **100** indicates that it is rainy, the bezel color is set to a second color (e.g., gray). In this way, the viewer has information regarding the weather while watching their favorite program.

If the meta-data is not set to use the weather **86**, the meta-flag is then tested to determine if the current time is to be used in controlling the bezel color **90**. For example, if the meta-data is set to use the current time **90**, then the color of the bezel is set based on the current time **92**. For example, if the current time indicates that it is morning, the bezel color is set to a first color (e.g., yellow). If current time indicates that it is night time, the bezel color is set to a second color (e.g., black or off). In this way, the bezel color varies with the time.

Many types of dynamic and static data are anticipated to be used to control the bezel illumination **20**, including but not limited to, stock market, holidays, voicemail waiting, recording indication, favorite show starting, approach of a tornado or other storm, incoming messages, etc.

Referring to FIG. **8**, a plan view of a first typical on-screen display of the present invention will be described. Many user interfaces are known in the industry and the color selection user interface of FIG. **8** is but one example. In this, the user is presented with a heading "Select Color" **120** along with a grid of possible colors **121**. In the grid of possible colors **121** are multiple color choices **123**, one of which is highlighted **122**. Using an input device, such as a television remote control, the user/viewer maneuvers the highlighting **122** to the color choice desired, and then selects the "DONE" feature **126**. Responsive to the "DONE" feature **126** being activated, the bezel is changed to the selected color. If, instead, the user/viewer wishes to turn off the bezel color, the user/viewer selects the "OFF" feature **124** and the bezel illumination is turned off.

Referring to FIG. **9**, a plan view of a second typical on-screen display of the present invention will be described. Many user interfaces are known in the industry and the meta-data selection user interface of FIG. **9** is but one example. In this, the user is presented with a heading "Select Format:" **130** along with several choices **132/134/136/138/140**. The user/viewer maneuvers to the desired choice **132/134/136/138/140** using an input device such as the arrows on a television remote control **111**. Once at the desired choice **132/134/136/138/140**, the user/viewer selects that choice using, perhaps, the select key, then selects the "DONE" feature **142**, whereby the processing element **100** sets up the bezel illumination accordingly. For example, if "Fixed Brightness" **132** is selected, the bezel is set to a static level of brightness. If "Based on Time of Day" **134** is selected, the brightness is varied based upon an internal algorithm based upon the time-of-day. If "Based on Room Brightness" **136** is selected, the

brightness of the bezel is varied responsive to the ambient light in front of the monitor/television **5**. If "Random" **138** is selected, the brightness is randomly set. If "Based on Content" **140** is selected, the brightness and color of the bezel is set by an algorithm that evaluates the predominant colors in the current image. Such algorithms are known. For example, a histogram of colors is used to determine the most prevalent color being displayed.

Many types of dynamic and static data are anticipated to be used to control the bezel illumination **20**, including but not limited to, stock market, holidays, voicemail waiting, recording indication, favorite show starting, approach of a tornado or other storm, incoming messages, etc. The data that is portrayed on the bezel display **20** includes information, events, notifications, content data. The data or meta data is held or derived from within the television/monitor (e.g., current channel) or information from external sources such as the Internet, other devices, phone system, etc. Information includes data such as date, time etc. Events include data such as phone ringing, incoming message, etc). Notifications include data such as a favorite show is currently being received, new voicemail, etc. Content data includes data such as channel, show, etc. The data may come from within the TV, over a local area network, over a wide area network (e.g., Internet) or over a connection to a device that is connected to the television/monitor **5**.

Equivalent elements can be substituted for the ones set forth above such that they perform in substantially the same manner in substantially the same way for achieving substantially the same result.

It is believed that the system and method of the present invention and many of its attendant advantages will be understood by the foregoing description. It is also believed that it will be apparent that various changes may be made in the form, construction and arrangement of the components thereof without departing from the scope and spirit of the invention or without sacrificing all of its material advantages. The form herein before described being merely exemplary and explanatory embodiment thereof. It is the intention of the following claims to encompass and include such changes.

What is claimed is:

1. A display device, comprising:

a display, having a face, and having a bezel area on a periphery surrounding at least a portion of the face, where said face displays a display portion, and the bezel area displays a second portion different from the display portion, said bezel area including a first red illuminating element, a second green illuminating element, and a third blue illuminating element, where said illuminating elements are seen from a direction of the face of the display;

a remote connection; and

a processing element, receiving information over the remote connection and controlling all of the first, second and third illuminating elements to operate and to create said second portion having an overall output color, where the processing element changes the overall color based on a parameter, and where said parameter is received over the remote connection.

2. The device as in claim **1**, wherein said bezel is made of a material that transmits light from within the bezel to outside of the bezel.

3. The device as in claim **1**, wherein said parameter is a command for the bezel to display a specified color that is received over the remote connection, and the bezel is controlled to display said specified color responsive to said command.

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4. The device of claim 1, wherein said parameter is a selection of one of multiple different formats for the bezel.

5. The device of claim 4, wherein the selection selects one of multiple different formats for display by the bezel, where one of said formats is fixed brightness, and another of said formats is based on room brightness, and where selecting said one of said formats provides fixed brightness to the bezel and selecting said another of said formats provides brightness based on room brightness to the bezel.

6. The device of claim 4, wherein the selection selects one of multiple different formats for display by the bezel, where one of said formats changes the overall color of the bezel based on a channel that is currently being viewed on the face, such that a first channel being viewed on the face creates a first color bezel and a second channel being viewed on the face creates a second color bezel.

7. The device of claim 4, wherein the selection selects one of multiple different formats for display by the bezel, where one of said formats changes the overall color of the bezel based on a current outdoor weather, such that a first current weather creates a first color for the bezel and a second current weather creates a second color for the bezel.

8. The device of claim 1, wherein the remote connection is a network connection that receives information over the internet.

9. A display device, comprising:

a display, having a face, and having a bezel area on a periphery thereof surrounding at least a portion of the face, said bezel including a first red illuminating element; a second green illuminating element, and a third blue illuminating element, where said illuminating elements are seen from a direction of the face of the display; a remote connection that receives information to be displayed on the display;

a processing element, that analyzes the information received over the remote connection and controls all of the first, second and third illuminating elements to illuminate based on the information received over the remote connection.

10. The device as in claim 9, wherein said processing element receives an image to be displayed on the display, and displays the image on the display.

11. The device as in claim 10, wherein said processing element analyzes the image to be displayed on the display, and automatically evaluates a predominant color in said

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image, and sets a color of said bezel area based on said predominant color in said image.

12. The device as in claim 9, wherein said bezel area has a bezel that is made of a material that transmits light from within the bezel area to outside of the bezel area.

13. The device as in claim 12, wherein said material includes a diffuser.

14. The device of claim 9, wherein each of the at least one illuminating elements includes a light emitting diode.

15. The device of claim 9, wherein the processing element also controls a brightness of each of the illuminating elements.

16. The device of claim 15, wherein the processing element changes an overall color of the bezel area based on a channel that is currently being viewed on said face, such that a first channel on said face creates a first color bezel area and a second channel on said face creates a second color bezel area.

17. The device of claim 9, wherein the remote connection is a network connection that receives information over the internet.

18. A method, comprising:

producing an output for a display, having a face;

controlling a bezel area on a periphery of said display that surrounds at least a portion of the face, by receiving information to be displayed on the display over a remote connection and using a processor for analyzing the information received over the remote connection that is used for displaying on the face, and controlling a color of said bezel area based on the information received over the remote connection, said controlling comprising automatically evaluating a predominant color that will be displayed on the display, and setting a color of said bezel area based on said predominant color in said information to be displayed on the display.

19. The method of claim 18, wherein said controlling comprises controlling red green and blue individual elements to emit light.

20. The method of claim 19, wherein each of said individual elements includes a light emitting diode.

21. The method of claim 19, wherein the processor also controls a brightness of each of the elements.

22. The method of claim 18, wherein the remote connection is a network connection that receives information over the internet.

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